

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/586,987
Source: IFWP
Date Processed by STIC: 8/3/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 08/03/2006

PATENT APPLICATION: US/10/586,987

TIME: 09:45:06

Input Set : A:\082368-008500US.txt

Output Set: N:\CRF4\08032006\J586987.raw

4 <110> APPLICANT: Nakamura, Yusuke
 5 Furukawa, Yoichi
 7 <120> TITLE OF INVENTION: METHODS OF DETECTING METHYL TRANSFERASE
 8 ACTIVITY AND METHODS OF SCREENING FOR METHYL TRANSFERASE
 9 ACTIVITY MODULATORS
 11 <130> FILE REFERENCE: 082368-008500US
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/586,987
 C--> 13 <141> CURRENT FILING DATE: 2006-07-21
 13 <150> PRIOR APPLICATION NUMBER: PCT/JP2005/001172
 14 <151> PRIOR FILING DATE: 2005-01-21
 16 <150> PRIOR APPLICATION NUMBER: US 60/538,658
 17 <151> PRIOR FILING DATE: 2004-01-23
 19 <160> NUMBER OF SEQ ID NOS: 55
 21 <170> SOFTWARE: PatentIn version 3.3
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 22
 25 <212> TYPE: DNA
 26 <213> ORGANISM: Artificial
 28 <220> FEATURE:
 29 <223> OTHER INFORMATION: An artificially synthesized primer sequence for RT-PCR
 31 <400> SEQUENCE: 1
 32 acaacagcct caagatcatc ag 22
 35 <210> SEQ ID NO: 2
 36 <211> LENGTH: 20
 37 <212> TYPE: DNA
 38 <213> ORGANISM: Artificial
 40 <220> FEATURE:
 41 <223> OTHER INFORMATION: An artificially synthesized primer sequence for RT-PCR
 43 <400> SEQUENCE: 2
 44 ggtccaccac tgacacgttg 20
 47 <210> SEQ ID NO: 3
 48 <211> LENGTH: 23
 49 <212> TYPE: DNA
 50 <213> ORGANISM: Artificial
 52 <220> FEATURE:
 53 <223> OTHER INFORMATION: An artificially synthesized primer sequence for RT-PCR
 55 <400> SEQUENCE: 3
 56 ttcccgatat caacatctac cag 23
 59 <210> SEQ ID NO: 4
 60 <211> LENGTH: 23
 62 <212> TYPE: DNA
 63 <213> ORGANISM: Artificial
 65 <220> FEATURE:

RAW SEQUENCE LISTING

DATE: 08/03/2006

PATENT APPLICATION: US/10/586,987

TIME: 09:45:06

Input Set : A:\082368-008500US.txt

Output Set: N:\CRF4\08032006\J586987.raw

```

66 <223> OTHER INFORMATION: An artificially synthesized primer sequence for RT-PCR
68 <400> SEQUENCE: 4
69 agtgtgtgac ctcaataagg cat                                     23
72 <210> SEQ ID NO: 5
73 <211> LENGTH: 25
74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial
77 <220> FEATURE:
78 <223> OTHER INFORMATION: An artificially synthesized primer sequence for RT-PCR
80 <400> SEQUENCE: 5
81 aatcatcgct acaagctgaa gcgtg                                   25
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 25
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial
89 <220> FEATURE:
90 <223> OTHER INFORMATION: An artificially synthesized primer sequence for RT-PCR
92 <400> SEQUENCE: 6
93 gcataaaatc taactctggg gctgg                                   25
96 <210> SEQ ID NO: 7
97 <211> LENGTH: 23
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial
101 <220> FEATURE:
102 <223> OTHER INFORMATION: An artificially synthesized primer sequence for RT-PCR
104 <400> SEQUENCE: 7
105 acctcttcaa cagcaatcac aag                                    23
108 <210> SEQ ID NO: 8
109 <211> LENGTH: 23
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial
113 <220> FEATURE:
114 <223> OTHER INFORMATION: An artificially synthesized primer sequence for RT-PCR
116 <400> SEQUENCE: 8
117 gcatgctcag tcttttcctc tta                                    23
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 21
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial
125 <220> FEATURE:
126 <223> OTHER INFORMATION: An artificially synthesized primer sequence for RT-PCR
128 <400> SEQUENCE: 9
129 gtgctcttct cgcaggcgca g                                     21
132 <210> SEQ ID NO: 10
133 <211> LENGTH: 22
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial
137 <220> FEATURE:
138 <223> OTHER INFORMATION: An artificially synthesized primer sequence for RT-PCR

```

RAW SEQUENCE LISTING

DATE: 08/03/2006

PATENT APPLICATION: US/10/586,987

TIME: 09:45:06

Input Set : A:\082368-008500US.txt

Output Set: N:\CRF4\08032006\J586987.raw

```

140 <400> SEQUENCE: 10
141 ataccatgca gcgtggacac tc                                22
144 <210> SEQ ID NO: 11
145 <211> LENGTH: 21
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial
149 <220> FEATURE:
150 <223> OTHER INFORMATION: An artificially synthesized primer sequence for RT-PCR
152 <400> SEQUENCE: 11
153 gatacccaca accgcaattc t                                21
156 <210> SEQ ID NO: 12
157 <211> LENGTH: 23
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial
161 <220> FEATURE:
162 <223> OTHER INFORMATION: An artificially synthesized primer sequence for RT-PCR
164 <400> SEQUENCE: 12
165 caaacaggaa ccaagaacaa gtc                                23
168 <210> SEQ ID NO: 13
169 <211> LENGTH: 23
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial
173 <220> FEATURE:
174 <223> OTHER INFORMATION: An artificially synthesized primer sequence for RT-PCR
176 <400> SEQUENCE: 13
177 agttaaacag agccaaaggg aag                                23
180 <210> SEQ ID NO: 14
181 <211> LENGTH: 23
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial
185 <220> FEATURE:
186 <223> OTHER INFORMATION: An artificially synthesized primer sequence for RT-PCR
188 <400> SEQUENCE: 14
189 ctgtagtctt tccgaactgt gtg                                23
192 <210> SEQ ID NO: 15
193 <211> LENGTH: 24
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial
197 <220> FEATURE:
198 <223> OTHER INFORMATION: An artificially synthesized primer sequence for RT-PCR
200 <400> SEQUENCE: 15
201 gagaccatct tcgtcaaggt cacg                                24
204 <210> SEQ ID NO: 16
205 <211> LENGTH: 25
206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial
209 <220> FEATURE:
210 <223> OTHER INFORMATION: An artificially synthesized primer sequence for RT-PCR
212 <400> SEQUENCE: 16

```

RAW SEQUENCE LISTING

DATE: 08/03/2006

PATENT APPLICATION: US/10/586,987

TIME: 09:45:06

Input Set : A:\082368-008500US.txt

Output Set: N:\CRF4\08032006\J586987.raw

```

213 cgtgttcata gcaaattggtg cactc 25
216 <210> SEQ ID NO: 17
217 <211> LENGTH: 25
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial
221 <220> FEATURE:
222 <223> OTHER INFORMATION: An artificially synthesized primer sequence for RT-PCR
224 <400> SEQUENCE: 17
225 ccctttggag aacagggaaa gcctg 25
228 <210> SEQ ID NO: 18
229 <211> LENGTH: 25
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial
233 <220> FEATURE:
234 <223> OTHER INFORMATION: An artificially synthesized primer sequence for RT-PCR
236 <400> SEQUENCE: 18
237 gctgatctca gggcatagcc aggag 25
240 <210> SEQ ID NO: 19
241 <211> LENGTH: 25
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial
245 <220> FEATURE:
246 <223> OTHER INFORMATION: An artificially synthesized primer sequence for RT-PCR
248 <400> SEQUENCE: 19
249 aaaggctgag tgcattgtcc gtctc 25
252 <210> SEQ ID NO: 20
253 <211> LENGTH: 25
254 <212> TYPE: DNA
255 <213> ORGANISM: Artificial
257 <220> FEATURE:
258 <223> OTHER INFORMATION: An artificially synthesized primer sequence for RT-PCR
260 <400> SEQUENCE: 20
261 ggtagccagc aggaggtgat tcgtg 25
264 <210> SEQ ID NO: 21
265 <211> LENGTH: 21
266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial
269 <220> FEATURE:
270 <223> OTHER INFORMATION: An artificially synthesized primer sequence for RT-PCR
272 <400> SEQUENCE: 21
273 agagaatccc tgatccacgt c 21
276 <210> SEQ ID NO: 22
277 <211> LENGTH: 23
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial
281 <220> FEATURE:
282 <223> OTHER INFORMATION: An artificially synthesized primer sequence for RT-PCR
284 <400> SEQUENCE: 22
285 cgggctagta gaaggagtac tgg 23

```

RAW SEQUENCE LISTING

DATE: 08/03/2006

PATENT APPLICATION: US/10/586,987

TIME: 09:45:06

Input Set : A:\082368-008500US.txt

Output Set: N:\CRF4\08032006\J586987.raw

```

288 <210> SEQ ID NO: 23
289 <211> LENGTH: 25
290 <212> TYPE: DNA
291 <213> ORGANISM: Artificial
293 <220> FEATURE:
294 <223> OTHER INFORMATION: An artificially synthesized primer sequence for RT-PCR
296 <400> SEQUENCE: 23
297 ggcaccactt tcgtgcagta ccagg                                25
300 <210> SEQ ID NO: 24
301 <211> LENGTH: 25
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial
305 <220> FEATURE:
306 <223> OTHER INFORMATION: An artificially synthesized primer sequence for RT-PCR
308 <400> SEQUENCE: 24
309 gtcaggcatc tctgcacagt ccagg                                25
312 <210> SEQ ID NO: 25
313 <211> LENGTH: 26
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial
317 <220> FEATURE:
318 <223> OTHER INFORMATION: An artificially synthesized primer sequence for ChIP assay
320 <400> SEQUENCE: 25
321 tgcattattc cggactgaac aaatgc                                26
324 <210> SEQ ID NO: 26
325 <211> LENGTH: 25
326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial
329 <220> FEATURE:
330 <223> OTHER INFORMATION: An artificially synthesized primer sequence for ChIP assay
332 <400> SEQUENCE: 26
333 gttgctaaat tgtagcgaag ggctc                                25
336 <210> SEQ ID NO: 27
337 <211> LENGTH: 25
338 <212> TYPE: DNA
339 <213> ORGANISM: Artificial
341 <220> FEATURE:
342 <223> OTHER INFORMATION: An artificially synthesized primer sequence for ChIP assay
344 <400> SEQUENCE: 27
345 acccaagtac agagcccttc gctac                                25
348 <210> SEQ ID NO: 28
349 <211> LENGTH: 24
350 <212> TYPE: DNA
351 <213> ORGANISM: Artificial
353 <220> FEATURE:
354 <223> OTHER INFORMATION: An artificially synthesized primer sequence for ChIP assay
356 <400> SEQUENCE: 28
357 tcaactgcctg ggctttggtc ttgtg                                24
360 <210> SEQ ID NO: 29

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/586,987

DATE: 08/03/2006
TIME: 09:45:07

Input Set : A:\082368-008500US.txt
Output Set: N:\CRF4\08032006\J586987.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:54; Xaa Pos. 5,6
Seq#:55; Xaa Pos. 5,6,7

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/586,987

DATE: 08/03/2006

TIME: 09:45:07

Input Set : A:\082368-008500US.txt

Output Set: N:\CRF4\08032006\J586987.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:913 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:0

L:930 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0